

**Virtual Jukebox**

Progress Report 3

| Version: | 1.0 |
| --- | --- |
| Release Status: | Released |
| Release Date: | 29 May 2022 |
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| Client: | Amristar |
| Document Number: | N/A |

**Document CONTROL**

| Document Location | A hard copy version of this document is only valid on the day it was printed.  The source of the document will be found in  \\san1\documents\Business Units\Operations\General\Curtin\_Industry\_Partnership\Software\_Engineering\_Projects\2022\templates\_and\_documentation\Progress\_Report\_template.doc |
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| **Name** | **Title** | **Date** | **Version** |
| John Ho | Manager at Amristar Solutions | 11/03/2022 | 1.0 |
| Andrew Loh | Senior Software Engineer at Amristar Solutions | 11/03/2022 | 1.0 |
| Dr Hannes Herrmann | Senior Lecturer at Curtin University | 11/03/2022 | 1.0 |
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**Purpose of this document**

The purpose of this document is to provide Amristar and other relevant stakeholders with a summary of the project at frequent intervals. Amristar uses the progress report to assess progress and the contribution of team members. Amristar also uses it to identify any issues that occur during the project at an early stage.

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# HIGHLIGHT REPORT

| **Period From:** | **2/05/2022** |  | **To:** | **29/05/2022** |
| --- | --- | --- | --- | --- |

## 

## Schedule Status



| **Forecast Duration** | 20/3/2022 to 23/10/2022 |
| --- | --- |
| **Planned End Date** | 23/10/2022 |
| **Actual / Forecast** | 23/10/2022 (forecast) |
| **Status** | In progress |

## Hours Spent

| **Item** | **Stage Baseline** | **Actual to Date** | **Forecast @ Completion** |
| --- | --- | --- | --- |
| **Package 1** | 160 | 183.5 | 183.5 |
| **Package 2** | 150 | 121.5 | 121.5 |
| **Package 3** | 200 | 209.5 | 209.5 |
| **Package 4** | 200 | - | 200 |
| **Package 5** | 200 | - | 200 |
| **Package 6** | 200 | - | 200 |
| **Total** | 1110 | 514.5 | 1145.5 |

| Go to Green Strategy |
| --- |
| - |

| Issues and Notable Events |
| --- |
| A delay was created in submitting the first draft of the Solution Specification document, which in turn delayed the submission of the second draft. This was due to high workloads from other units, which restricted the time to work on this deliverable to be lower than desired. Although this was the case, a final version was still submitted alongside two drafts and a progress report. |

| Resource Activity Summary This Reporting Period |
| --- |
| **Austin Bevacqua**  As scrum master, was in charge of ensuring the group was following the agile process. Made sure the group was keeping Jira up to date, and every member was sticking to their assigned tickets.  Added all tickets to Jira with names, and allocated people their tickets.  Organised and ran sprint kickoff, retrospective and standup meetings.  Kept Jira up to date with current group progress  Responsible for completing the following sections of the SAS in drafts 1 and 2:   * Business Model - Organisational Context * Business Model - Current Situation * Business Model - Solution Definition * Business Model - Actors * Business Model - Interactions of Actors * Business Model - Use Cases   **Bradley Van Der Zwan**  Wrote and submitted all meeting minutes for each major meeting held among the team and the supervisor. Submitting both Solution Specification drafts, as well as the final version and progress report. Completed and iterated the Solution Architecture model section of the Solution Architecture Specification (SAS) including the following:   * Solution Components (internal and external components) * Integration specification * Walk-throughs (for each use case) * Information model (database ERD, and Redis cache objects)   **Dillon Vincent**  Completed the given sections in the Solution Architecture Specification (SAS) including the following   * Network Diagram * Solution Impact * Success Criteria and Test Plans   Helped with feedback from reading draft one and draft two of the SAS.  **Ryan Webster** Researched and learnt about Docker in preparation for creation of the SAS document, including setting up Docker locally and the creation of sample Docker images. Investigated ports that must be open for communication between components in the web application, as well as how to communicate between components in the system through the Docker containers. Completed the following parts of the SAS document:   * System Specification Summary * Configuration Requirement * Architecture Boundary * Business Drivers * Solution Requirements * High Level Metrics for Success.,   **Tanaka Chitete**  Solely contributed to the completion of the following sections of the SAS for Draft 1, Draft 2, and Final Submission:   * Quality Attributes   + Reliability   + Availability   + Serviceability   + Best Practice Commentary   + Architecture Commentary * Phasing, Roadmap, and Implementation Plan   + Technical Assumptions   + Solution Phases and Technical Milestones   + Implementation Instructions |
|  |

| Weekly Effort Charts (hours per resource) |
| --- |
| **Austin Bevacqua:**  **Chart**  **Bradley Van Der Zwan:**    **Dillon Vincent:**  Chart  **Ryan Webster:**  Chart  **Tanaka Chitete:**  Chart |

| Team Achievements This Reporting Period |
| --- |
| Completion of package 3. This includes the submission of two Software Architecture Specification (or Solution Specification) drafts, in which feedback was provided to fine-tune and submit a final Solution Specification, alongside this progress report (3).  Some issues had risen throughout the duration of this reporting period, mainly surrounding time constraints and high workloads from both this and other university units. This was due to the exam period approaching, which prompted all units to have assignments due close to the due date of package 3. This was resolved via more intense later sprints, in which team members dedicated more time to the completion of this package in comparison to earlier sprints. |

| Risks and Issues Outlook |
| --- |
| Risks  Risks of the submission of the Solution Specification include deviations from the defined software architecture in production. This may arise due to changing requirements for the implementation of features such as storing additional information from the Spotify SDK which weren’t considered due to a lack of prototyping. Due to the agile nature of the development cycle, these deviations could be resolved through documenting them (potentially through amending the Solution Specification) and making the changes accordingly. Any large or significant deviations will need to be discussed with the supervisor and documented before implementation. |

| Planned Activity for Next Reporting Period |
| --- |
| Completion of package 4. This includes the application’s first release with the following activities:   * Database implementation * Virtual Jukebox account implementation * Virtual Jukebox session implementation * Testing Phase * Remediation Phase * Progress Report 4 |

| Planned Resource Activity Next Reporting Period |
| --- |
| Note that resourcing is subject to change which will be reflected in JIRA once tasks are assigned.  **Austin Bevacqua**   * Will organise, plan and run all standup, kickoff and retrospective meetings. (10%) * Will contribute to the progress report (5%) * Virtual Jukebox Session Implementation (50%)   + Virtual Jukebox Session Settings/Setup Functionality   + Virtual Jukebox Session Playback Controls   + Playlist Selection Functionality (via Spotify SDK) * Testing Phase (35%)   + Usability Testing   + User Acceptance Testing   **Bradley Van Der Zwan**   * Will write and submit meeting minutes (10%) * Will contribute to the progress report (5%) * Database implementation (50%)   + Database creation   + Django ORM integration   + Database Hardening and Optimisation * Testing Phase (35%)   + Performance Testing   + Reliability Testing   **Dillon Vincent**   * Will contribute to the progress report (5%) * Login Implementation (15%)   + Virtual Jukebox User Login Validation * Registration Implementation (15%)   + Virtual Jukebox User Registration Validation * Virtual Jukebox Session Join Page Implementation (15%)   + Virtual Jukebox Session Join Page Validation * Testing Phase (25%)   + Security Testing * Remediation Phase (25%)   + Deployment Phase   **Ryan Webster**   * Will contribute to the progress report (5%) * Song Queue Implementation   + Virtual Jukebox song voting system (30%)   + Spotify SDK integration (25%)   + Song selection system (20%)   + Song queueing logic (20%)   **Tanaka Chitete**   * Will contribute to the progress report (5%) * Virtual Jukebox Account Implementation (25%)   + Virtual Jukebox Login Page GUI (Mockups)   + Virtual Jukebox Registration Page GUI (Mockups) * Virtual Jukebox Session Implementation (20%)   + Virtual Jukebox Session Settings/Setup Page GUI (Mockups)   + Playlist Selection Page GUI (Mockups) * Song Queue Implementation (10%)   + Song Queue GUI (Mockups) * Virtual Jukebox Session Join Page Implementation (20%)   + Virtual Jukebox Session Join Page GUI (Mockups) * Virtual Jukebox Session Active Page Implementation (20%)   + Virtual Jukebox Session Join Page GUI (Mockups) |
|  |

**Product Status:**

| **Product** | **Planned Commencement Date** | **A*c*tual Commencement Date** | **Planned Completion Date** | **Estimated  Completion Date** | **Actual Completion Date** | **Comments** |
| --- | --- | --- | --- | --- | --- | --- |
| **Scheduled Products** | | | | | | |
| **MP Managed Products** | | | | | | |
| **Technology Investigation Summary & Prototype** | 10/03 | 10/03 | 10/04 | 10/04 | 10/04 | Completed, with two draft submissions |
| **Software Requirement Specification (SRS)** | 11/04 | 15/04 | 1/05 | 1/05 | 1/05 | Completed, with two draft submissions |
| **Solution Specification** | 2/05 | 3/05 | 29/05 | 29/05 | 29/05 | Completed, with two draft submissions |
| **Application - 1st release** | 25/07 | - | 21/08 | 21/08 | - | - |
| **Application - 2nd release** | 22/08 | - | 25/09 | 25/09 | - | - |
| **Application - 3rd (final) release** | 26/09 | - | 23/10 | 23/10 | - | - |
| **Post-implementation Evaluation** | 12/10 | - | 23/10 | 23/10 | - | - |

| **Project Management Artefacts** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Progress Report 1** | 9/04 | 9/04 | 10/4 | 10/4 | 10/4 | Completed |
| **Progress Report 2** | 30/04 | 28/04 | 1/05 | 1/05 | 1/05 | Completed with one draft submission |
| **Project Plan** | 11/04 | 27/04 | 1/05 | 1/05 | 1/05 | Completed First Revision with one draft submission |
| **Progress Report 3** | 28/05 | 28/05 | 29/05 | 29/05 | 29/05 | Completed |
| **Progress Report 4** | 15/08 | - | 21/08 | 21/08 | - | - |
| **Progress Report 5** | 19/09 | - | 25/09 | 25/09 | - | - |
| **Progress Report 6** | 17/10 | - | 23/10 | 23/10 | - | Closure Report |

| **SCHEDULE EXCEEDED** | **LEGEND** |
| --- | --- |
| **PROJECT BOARD DECISIONS** |
| **APPROVED – COMPLETED** |
| **COMPLETION IN LATER STAGE** |

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